

## ABSTRACT

A clipping circuit to limit amplitude of an orthogonal baseband signal includes a 16-gonal clipping circuit almost equivalent to a circular clipping circuit. The 16-gonal clipping circuit includes plural stages of series-connected units each including a rectangular clipping circuit and a phase rotating module. To compensate for variation in the signal amplitude due to the rectangular clipping circuits and the phase rotating modules, an amplitude adjuster conducts amplitude scaling for the signal.